

Appl. No. 10/065,274
2005-07-14

DRAFT – FOR DISCUSSION ONLY

PROPOSED AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

- [C1] (currently amended) An ultrasonic dental scaler comprising:
- a dental generator unit comprising circuitry for producing a base resonance signal;
 - a handpiece connector for removably coupling a handpiece to the dental generator unit;
 - an inductor within the handpiece coupled to the circuitry via the handpiece connector; and
 - a passive circuit element coupled to the circuitry and the inductor via the handpiece connector to adjust a frequency of the base resonance signal to a second frequency matching a resonant frequency of the handpiece.
- [C2] (original) The ultrasonic dental scaler of claim 1, further comprising:
- a first potentiometer in the dental generator unit for adjusting the power level of the resonance signal.
- [C3] (previously presented) The ultrasonic dental scaler of claim 2, further comprising:
- a power level controlling footswitch; and
 - a footswitch connector for removably coupling the footswitch to the dental generator unit, wherein the footswitch connector disables the first potentiometer and couples a second potentiometer in the footswitch to the dental generator unit.

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[C4] (previously presented) The ultrasonic dental scaler of claim 2, further comprising:

a footswitch connector for removably coupling a simple footswitch to the dental generator unit, wherein the simple footswitch connector enables the first potentiometer.

[C5] (original) The ultrasonic dental scaler of claim 1, wherein the passive circuit element is a capacitor.

[C6] (original) The ultrasonic dental scaler of claim 5, wherein the capacitor is in the handpiece connector.

[C7] (previously presented) The ultrasonic dental scaler of claim 5, wherein the capacitor is in the dental generator unit isolated from the circuitry and wherein the handpiece connector includes wiring to couple the capacitor to the circuitry and thereby adjust the frequency of the base resonance signal to the second frequency.

[C8] (original) The ultrasonic dental scaler of claim 4, further comprising:

a programmable logic control device for adjusting the frequency of the base resonance signal.

[C9] (canceled) An ultrasonic dental scaler comprising:

a dental generator unit comprising:

circuitry for producing a base resonance signal; and

a first potentiometer for adjusting a power level to the circuitry;

and

a footswitch connectable to the dental generator unit, wherein the footswitch, when engaged with the dental generator unit, selectively sends power to the dental generator unit,

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wherein the footswitch enables operation of the first
potentiometer

[C10] (currently amended) An ~~The~~ ultrasonic dental scaler of claim 9.

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